

## **EGGSPERT**

### **PART I**

The purpose of my website, **Eggspert**, is to educate people about eggs and specifically, the different types of ways to cook them. Growing up, eggs were a big part of my diet and my mom would always find different ways of making them so my sister and I wouldn't get bored. There are also many traditional Chinese dishes that include eggs.

My website conveys who the website could educate (those who love or are interested in the different ways to make eggs). Through interactive animations, users can see the difficulty and time commitment for different egg dishes. They can also calculate what types of eggs they can make based on their current time (with links to recipes), as well as read some information about the creator (me!).

I believe that I keep the website interesting and engaging through the colors and animations. The color scheme is bright with warm tones of white and yellow, aligning with the user's conceptual model of an egg. I break up the website into different sections so the user is not overwhelmed and can focus on each section at a time. In the main section, the user is prompted to interact with different animating eggs to see and understand different ways of cooking eggs. On the "More" page, there is a fun egg pun generator, as well as an interactive section focusing on the age-old question "which came first, the chicken or the egg?".

The target audience would be individuals who are interested in making eggs or learning more about different egg dishes. For instance, college students can use this website to cook on the go with their busy schedules; others can impress their friends with different ways of cooking eggs as well.

### **PART II**

1. Home Page - "Eggceptional" Interactive Section
  - a. Interaction Type: Standard Web Page, Clickable/Transformable Elements
  - b. On "Home" page, click on black chevron button or scroll down. Click on each egg or the "reveal all." button. Hover over each egg.
2. More Page - Egg Time Calculator
  - a. Interaction Type: Form-Based Wizard

- b. Click on the “More” page from the navigation. Enter in a valid integer (or a warning message will be raised). Click on each valid egg type to open a new tab to a recipe.
3. More Page - Egg Pun Generator
  - a. Interaction Type: Button
  - b. Click on the “More” page from navigation. Scroll down. Click on the “Generate Egg Pun” button to generate a new egg pun.
4. More Page - Chicken or Egg? Interactive Element
  - a. Interaction Type: Clickable Interaction
  - b. Click on the “More” page from navigation and scroll down. Click on each image to change the opacity and make the image more clear.
5. About Page
  - a. Interaction Type: Readable / Informational Text, Standard Web Page
  - b. Click on the “About” page from navigation. Read the “About” information.

## PART III

### i. Bootstrap

- ii. Using Bootstrap makes creating responsive websites a lot easier. In addition, using Bootstrap made my HTML code a lot more efficient and clearer to understand. I found it extremely valuable to use.
- iii. I used bootstrap for the main structure of my website (HTML). Understanding how to use the grid structure and specific tags (classes) allowed me to keep my website organized. For instance, it made creating the navigation very easy.
- iv. While Bootstrap mainly affects the coding aspect of the website which the user doesn't necessarily see, it can also help users who *do* want to understand the code because it structures it very clearly. In addition, the Bootstrap grid system makes it very easy to have elements of my website structured and spaced evenly which affects the visual layout and understandability. Finally, being able to use Bootstrap components also increased the consistency for users (ex: navigation looks familiar, buttons look similar, etc.).

### i. Animations

- ii. Understanding and using animations has always been something I am interested in improving. My website is an educational tool so it is important that it is engaging, which is something animations can help with. They can also be used to communicate to users changes on the website.
- iii. I used animations in the navigation bar to highlight the different pages that users could travel to, as well as down arrow on the home page to signal to the user that they could / should click that button. Next, the most essential part for animations was in the “Eggceptional” section of the “Home” page. Having the eggs be animating communicated to users that they can click on them; having animations during the transformation was also important to signal the change in information.

iv. Including the animations made the user experience feel more smooth and connected. Animations are engaging and also signals important changes in my website.

#### **PART IV**

For the most part, my final project aligns with my HW7 mockups. I did make a few changes; for instance, when the user hovers over the different eggs on the “eggceptional” part of the “home” page, the egg expands and the opacity changes to 100%, but the difficulty and time are shown underneath the image at all times instead of showing up with the hover.

Another change is that I no longer have an Egg Consumption graph because I was not able to successfully find data and create the graph; Instead, I have a Random Egg Pun Generator where the user can click to generate random egg puns and below that I also added another fun element by focusing on the common question “Which came first - the chicken or the egg?”.

#### **PART V**

The main challenges arose in writing the javascript for the main “Eggceptional” section of the “Home” page. I had a combination of animations and javascript to change the style for when the user clicks on each egg. This was a challenge because there were many different components that needed to be changed, and I needed to understand the hierarchy of CSS of Bootstrap in order to know how to change the styling.